



ED 3862

October 4th

When you log in, check your
Mic and audio levels under
the Audio menu

Information & Communications Technology I

**Mi'kmaq - Maliseet Institute
Faculty of Education
University of New Brunswick**



Tonight

- **Software overview– Purchase, Shareware, Freeware, Open Source**
- **Menaces on the Net; virus' and spyware**
- **Manipulating text, data, images**
- **Word Processing**
- **Integrating Technology in Lesson Planning**
- **Discussion: *Writing and Language in a Digital Age...***



Types of Software in Schools

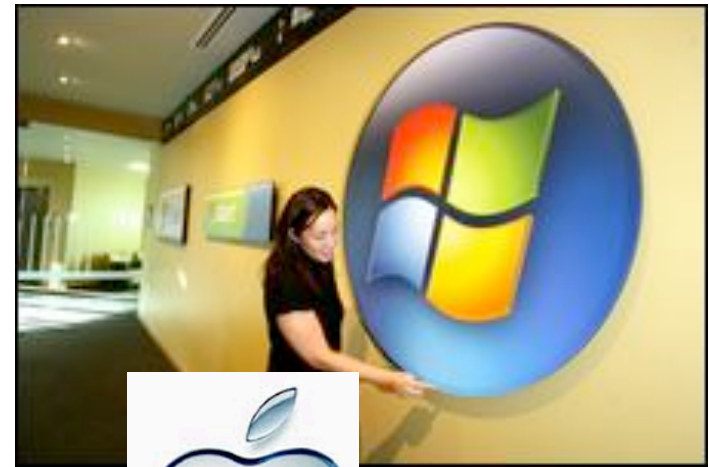


Software in the School

- ***Software in schools comes from many sources***
 - **Microsoft, Apple**
 - **Small companies**
 - **Individuals**

Proprietary (purchase)

- ***User generally pays for license***
- ***Limits on use, modification, copying***
- ***Most common form***



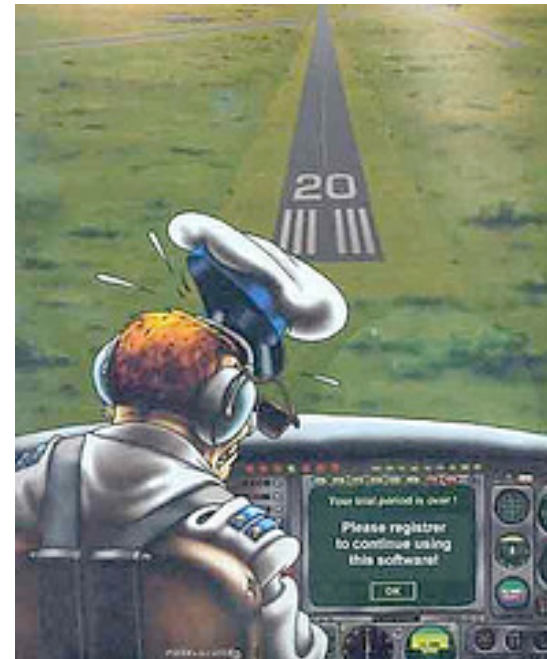


Proprietary (purchase)

- ***Benefits***
 - ***Financial return encourages innovation***
- ***Risks***
 - ***Support may cease***
 - ***Expensive***

Shareware

- ***User downloads for trial before paying***
- ***“Try before you buy”***





Shareware

- ***Benefits***

- ***Users can test drive software***
- ***Popular with games***

- ***Risks***

- ***Software may stop working if payment not received***
- ***High degree of support loss***



Freeware

- ***Free for anyone to use***
- ***Copyright continues with author***
- ***“Give something to the community”***





Freeware

- ***Benefits***
 - ***FREE!!!***
 - ***Easily downloadable***
- ***Risks***
 - ***Non-credible authors***
 - ***Sometimes contains virus'***
 - ***Lack of tech support***

Open-source

- ***Available to anyone***
- ***Open to change / improvement***
- ***Sharing changes = better software***





Open-source

- ***Benefits***
 - ***FREE!!!***
 - ***Collaborative development***
- ***Risks***
 - ***Lack of accountability***
 - ***Lack of financial benefit restricts growth***



Menaces on the Net



Malware

- ***Software (programs) that infiltrates computers***
- ***No consent from the computer owner / user***
- ***Hostile, malicious or just annoying***



Malware

- ***Badboys of the net...***
 - **Virus'**
 - **Spyware**
 - **Adware**



Virus

- ***Computer program that reproduces***
 - **Over 10,000 today**
 - **Destroy files, take up space, corrupt operating system**
 - **Enter in downloads or emails**



Spyware

- ***Software that collects and shares personal info without consent***
 - **Web sites visited**
 - **Passwords**
 - **Credit card info**



Adware

- ***Software that plays ads on your computer***
 - **Popups common**
 - **Enter with many file-sharing programs (Kazaa, etc.)**
 - **Browser toolbars**



Technology Lesson Planning



Embedding Technology in Your Classroom

- ***Depends on technical resources***
- ***Incorporates other learning styles***



Embedding Technology in Your Classroom

- *Can facilitate the move to constructivist, child-centered learning*
- *“Community of Learners” – lines between “student” and “teacher” blur*



Integrating Technology in Your Classroom

- *Identify Resources*
 - **Computers (how many? type? Internet? Software?)**
 - **Cameras (still and video)**
 - **Peripherals**



Integrating Technology in Your Classroom

- ***Generate Ideas***
 - **Your old lesson plans**
 - **Colleagues**
 - **Internet**



Integrating Technology in Your Classroom

- *Project-based learning*
 - **Self-directed / teacher assist**
 - **Collaborative**
 - **Break down school walls – reach into community / world**



Word Processing



Word Processing

- *Very basic form of presenting information*

- Text
- Pictures



Word Processing

- ***Common software***

- MS Word
- Wordperfect
- OpenOffice.org (free)



Word Processing

- ***Text***

- Copy and paste (mark, 'Edit-Copy', 'Edit-paste')
- Text can be made larger / smaller via 'Format-Font'
- Bold, italic, underline
- Text colour



Word Processing

- ***Images***

- Can be placed in document via 'Edit-Copy', 'Edit-Paste'
- 'Format-Picture' will allow size and layout changes



Word Processing

- ***Use with students***

- Student authorship (creative writing, etc.)
- Research, reports
- Writing text for copy/paste to other documents



Word Processing

- ***Benefits***

- Easy to use, simple
- Editing / assessment easy under 'Insert-Comment'
- Can be printed, manipulated prior to posting on web



Word Processing

- ***Drawbacks***

- **Basic information only**
- **No multi-media (video, etc.)**



Discussion



Discussion

- *Technology is embraced by some who see it as a panacea for creating a global environment that liberates and democratizes. Others see technology as an evil that permeates our culture with filth and is fraught with dangers.*

Where does the truth lie? Is technology a necessary evil or a powerful tool for positive social change?



Assignment



Assignment

- **Email me with your personal blog address**
- **Respond to question on class discussion blog**
- **Word Processing Assignment**
- **Response Paper Assignment – read articles, watch video, begin response paper**
- **We will look at lesson / technology plan and group projects next week**